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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/809,232
Filing Date	March 25, 2004
First Named Inventor	Yael Vodovotz
Art Unit	1761
Examiner Name	To Be Determined
Attorney Docket Number	22727/04211

Total Number of Pages in This Submission

### ENCLOSURES (Check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation
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- ☐ Terminal Disclaimer
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- ☐ After Allowance communication to Technology Center (TC)
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):

#### Remarks

Return receipt postcard  
34 Documents

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name  
Sean C. Myers-Payne  
Reg. No. 42,920

Signature

*Sean C. Myers-Payne*

Date

September 14, 2004

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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Janet L. Norris

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*Janet L. Norris*

Date

September 14, 2004

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PATENT  
Customer No. 24024  
Attorney Docket No. 22727/04211

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Vodovotz <i>et al.</i>	)	Group Art Unit: 1761
	)	
Application No.: 10/809,232	)	Examiner: To Be Determined
	)	
Filed: March 25, 2004	)	Attorney Docket No.: 22727/04211
	)	
For: Methods for Enhancing Soy-	)	
Containing Foods and Foods	)	
Made Thereby	)	

Mail Stop Amendment  
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**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 CFR §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached Forms PTO/SB/08A and PTO/SB/08B. This Information Disclosure Statement is being filed before the events recited in Section 1.97(b). Under the provisions of 37 C.F.R. § 1.97(b), this Information Disclosure Statement is not accompanied by a fee.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute

"prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

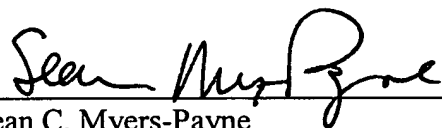
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of the Statement, please charge the fee to our deposit account number 03-0172.

Respectfully submitted,

Date:

Sept. 14, 2004



Sean C. Myers-Payne

Reg. No. 42,920

Phone: (614) 621-7754

Fax: (614) 621-0010

E-mail: [smyers-payne@calfee.com](mailto:smyers-payne@calfee.com)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

5

Application Number

10/809.232

Filing Date

March 25, 2004

**First Named Inventor**

**Yael Vodovotz**

## Art Unit

1761

Examiner's Name \_\_\_\_\_

**To Be Determined**

Attorney Docket Number

22727/04211

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

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Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indicate of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if known</b>		
			Application Number	10/809,232	
			Filing Date	March 25, 2004	
			First Named Inventor	Yael Vodovotz	
			Art Unit	1761	
			Examiner's Name	To Be Determined	
Sheet	2	of	5	Attorney Docket Number	22727/04211

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Abstract, ZHANG <i>et al.</i> , "Almond addition enriches isoflavone aglycones in soy bread", <u>2004 IFT Annual Meeting</u> , July 12-16, 2004, Las Vegas, NV.	
		Abstract, ZHANG <i>et al.</i> , "Isoflavone content and anti-cancer activity of soy bread and its components", <u>2002 IFT Annual Meeting and Food Expo</u> , Anaheim, CA (2002).	
		Abstract, ZHANG <i>et al.</i> , "Proofing condition on the distribution of isoflavones in soy bread", <u>2004 IFT Annual Meeting</u> , July 12-16, Las Vegas, NV (2004).	
		COWARD <i>et al.</i> , "Chemical modification of isoflavones in soy foods during cooking and processing" <u>Am. J. Clin. Nutr.</u> (1998) Volume 68 (Suppl.), Pages 1486S-1491S.	
		GUNATA <i>et al.</i> , "Stability of free and bound fractions of some aroma components of grape c.v. Muscat during the wine processing. Preliminary Results", <u>Am. J. Enol. Vitic.</u> (1986) Volume 37, Pages 112-114.	
		HENDRICH and MURPHY, "Isoflavones: Sources and Metabolism", <u>Handbook of Nutraceuticals and Functional Foods</u> (2001) CRC Press, Boca Raton, FL, pages 55-75.	
		HSIEH and GRAHAM, "Partial purification and characterization of a soybean $\beta$ -glucosidase with high specific activity towards isoflavone conjugates" <u>Phytochemistry</u> (2001) Volume 58, Pages 995-1005.	
		INTERMETRO INDUSTRIES CORPORATION, "Metro <sup>®</sup> Holding/Proofing Cabinets - Uninsulated, C175 Flavorview <sup>™</sup> Series" 2002.	
		IZUMI <i>et al.</i> , "Soy Isoflavone Aglycones Are Absorbed Faster and in Higher Amounts than Their Glucosides in Humans", <u>J. Nutr.</u> (2000) Volume 130, Pages 1695-1699.	

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				Examiner's Name	To Be Determined
Sheet	3	of	5	Attorney Docket Number	22727/04211

		Lee <i>et al.</i> , "Isoflavone Characterization and Antioxidant Activity of Ohio Soybeans", The Ohio State University, Food Science & Technology Department, Department of Horticulture and Crop Science; Seoul National University of Technology, Seoul, Korea.	
		MATEO and STEFANO, "Description of the $\beta$ -glucosidase activity of wine yeast" <u>Food Microbiology</u> (1997) Volume 14, Pages 583-591.	
		MATSUURA and OBATA, " $\beta$ -glucosidases from soybeans hydrolyze daidzin and genistin" <u>J. Food Science</u> (1993) Volume 58, Number 1, Pages 144-147.	
		MATSUURA <i>et al.</i> , "Studies on $\beta$ -glucosidases from soybeans that hydrolyze daidzein and genistein: isolation and characterization of an isozyme" <u>Biosci. Biotech. Biochem.</u> (1995) Volume 59, Number 9, Pages 1623-1627.	
		McCUE and SHETTY, "Role of Carbohydrate-cleaving enzymes in phenolic antioxidant mobilization from who soybean fermented with <i>Rhizopus Oligosporus</i> ", <u>Food Biotechnology</u> (2003) Volume 17, Number 3, Pages 27-37.	
		MIURA <i>et al.</i> , "Isoflavone Aglycon Produced by Culture of Soybean Extracts with Basidiomycetes and Its Anti-angiogenic Activity", <u>Biosci. Biotechnol. Biochem.</u> (2002) Volume 66, Number 12, Pages 2626-2631.	
		RICHELLE <i>et al.</i> , "Hydrolysis of Isoflavone Glycosides to Aglycones by $\beta$ -Glycosidase Does Not Alter Plasma and Urine Isoflavone Pharmacokinetics in Postmenopausal Woman", <u>J. Nutr.</u> (2002) Volume 132, Pages 2587-2592.	
		PANDJAITAN <i>et al.</i> , "Enrichment of genistein in soy protein concentrate with $\beta$ -glucosidase", <u>J. Food Science</u> (2000) Volume 65, Number 3, Pages 403-407.	
		SETCHELL <i>et al.</i> , "Bioavailability of Pure Isoflavones in Healthy Humans and Analysis of Commercial Soy Isoflavone Supplements", <u>J. Nutr.</u> (2001) Volume 131, Pages 1362S-1375S.	
		SUE <i>et al.</i> , "Purification of characterization of a hydroxamic acid glucoside $\beta$ -glucosidase from wheat ( <i>Triticum aestivum</i> L.) seedlings" <u>Planta</u> , (2000) Volume 210, Pages 432-438.	

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Sheet	4	of	5	Attorney Docket Number	22727/04211

		VODOVOTZ, Y., "Bioavailability and Biological Effects of Soy Isoflavones", Power Point Presentation printed from <a href="http://www.grad.fst.ohio-state.edu/vodovotz">www.grad.fst.ohio-state.edu/vodovotz</a> on September 13, 2004.	
		WALSH <i>et al.</i> , "Bioaccessability of isoflavone aglycones from soy food is enhanced by bile salts during <i>in vitro</i> digestion", The Ohio State University, Interdisciplinary PhD Program in Nutrition, Food Science & Technology Department, Department of Human Nutrition.	
		ZHANG <i>et al.</i> , "Changes in distribution of isoflavones and $\beta$ -glucosidase activity during soy bread proofing and baking", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i> , "Changes in water state and distribution in soy cotaining bread during storage", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i> , "Effect of proofing on the distribution of isoflavones in soy bread", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i> , "Effects of soy addition on the state of water and isoflavone content in bread", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i> , "Isoflavone composition and biological activity of extracts from soy bread crumb and crust", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i> , "Isoflavone Content and Anti-Cancer Activity of Soy Bread and Its Components", The Ohio State University, Food Science & Technology Department, June 18, 2002.	
		ZHANG <i>et al.</i> , "The Effect of Bread-Making on Isoflavone Content and Composition in Soy Bread", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i> , "The Effect of In Vitro Soy Bread Digestion on Isoflavone Profile", The Ohio State University, Food Science & Technology Department and Department of Human Nutrition.	

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		ZHANG, <i>et al.</i> , "Effect of Soy on Bread's Physico-chemical Properties During Storage", The Ohio State University, Food Science & Technology Department.	
		ZHANG, Y., "Isoflavone Profile and Biological Activity of Soy Bread", <u>J. Agric. Food Chem.</u> (2003) Volume 51, Pages 7611-7616.	

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